

CLAIMS

What is claimed is:

- 5 *Sub B1*
1. A substrate strip, which comprises:
 - (a) a frame having a pair of parallel supporting bars including a first supporting bar and a second supporting bar; and
 - (b) at least one substrate supported on the supporting bars; the substrate being linked to the supporting bars by means of no more than two tie bars.
 2. The substrate strip of claim 1, wherein the substrate is dedicated for BGA application.
 - 10 3. The substrate strip of claim 1, wherein the substrate is linked to the frame by means of just two tie bars.
 4. The substrate strip of claim 3, wherein the two tie bars are arranged on two adjacent corners of the substrate.
 5. The substrate strip of claim 3, wherein the two tie bars are arranged on diagonally opposite corners of the substrate.
 - 15 6. The substrate strip of claim 3, wherein one of the two tie bars is arranged on one corner of the substrate and the other is arranged on one side of the substrate.
 7. The substrate strip of claim 1, wherein the substrate is linked to the frame by means of just one tie bar.
 - 20 8. The substrate strip of claim 7, wherein the just one tie bar is arranged on the substrate's gating corner.

- 9 *Sub A11*
9. A substrate strip, which comprises:
 - (a) a frame having a pair of parallel supporting bars including a first supporting bar and a second supporting bar; and

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Sub A11*
(b) at least one substrates supported on the supporting bars; the substrate being linked to the supporting bars by means of a two-point linkage structure consisting of just two tie bars linked to the supporting bars.

10. The substrate strip of claim 9, wherein the substrate is dedicated for BGA applica-
5 tion.

11. The substrate strip of claim 9, wherein the two tie bars are arranged on two adjacent corners of the substrate.

12. The substrate strip of claim 9, wherein the two tie bars are arranged on diagonally opposite corners of the substrate.

10 13. The substrate strip of claim 9, wherein one of the two tie bars is arranged on one corner of the substrate and the other is arranged on one side of the substrate.

14. A substrate strip, which comprises:

Sub A12
(a) a frame having a pair of parallel supporting bars including a first supporting bar and a second supporting bar; and

15 (b) at least one substrates supported on the supporting bars; the substrate being linked to the supporting bars by means of a one-point linkage structure consisting of just one tie bar linked to one of the two supporting bars.

15. The substrate strip of claim 14, wherein the substrate is dedicated for BGA application.

20 16. The substrate strip of claim 14, wherein the just one tie bar is arranged on the substrate's gating corner.

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